

STATEMENT OF QUALIFICATIONS

NAME OF LAB: Scientific Crime Detection Laboratory
5500 E. Tudor Road
Anchorage, AK 99507

DATE: June 01, 2009

NAME: Mark David Beck

JOB TITLE: Forensic Scientist III

DISCIPLINE(S): Indicate all areas in which you do casework.

Latent fingerprint detection and comparison.

EDUCATION: List all higher academic institutions attended.

Institution	Dates attended	Major	Degree completed
Albion College	1969-1971	Biology	None
Oakland University	1971-1972	Asian Studies	None
Albion College	1972-1974	Biology	B.A.
Albion College	1974-1976	Geology/Secondary Ed.	None*

OTHER TRAINING: List continuing education, workshops, in-service and other formal training received.

Latent Fingerprint Training: 685 hours

08/20/1993: Basic Fingerprint Classification, F.B.I., Pueblo, Colorado (40 hours)
01/28/1994: Advanced Latent Fingerprint Techniques, F.B.I., Colorado Springs, Colorado (40 hours)
10/19/1994: Demystifying Palmprints, Ron Smith, Denver, Colorado (24 hours)
07/09/1996: Advanced Latent Fingerprint Development Techniques, F.B.I., Cheyenne, Wyoming (24 hours)
03/28/1997: Administrative Advanced Latent Fingerprints, F.B.I. Quantico, Va. (120 hours)
04/10/1998: Advanced Ridgeology Comparison Techniques, Forensic Identification Training Seminar, Pat Wertheim, Mishawaka, Indiana (40 hours)
06/19/1998: Advanced Ridgeology Comparison Techniques II, Forensic Identification Training Seminar, Pat Wertheim, Midland, Texas (40 hours)
06/28/1999: AFIX Tracker AFIS Training, Phoenix Group, Laramie, Wyoming (24 hours)
05/26/2000: Demystifying Palmprints II, Ron Smith, Laramie, Wyoming (24 hours)
07/18/2000: 2000 International Association for Identification Educational Conference, various, Milwaukee, Wisconsin (40 hours)
03/01/2001: AFIX Palm Print Symposium, Ron Smith/Phoenix Group, Dallas, Texas, (20 hours)
05/08/2001: Fingerprints on Human Skin, Karen and William Sampson, Denver Colorado Police Academy, (8 hours)
07/23/2001: 2001 International Association for Identification Educational Conference, various, Charleston, West Virginia, (40 hours)
08/27/2001: Analysis of Problem Latents, Forensic Identification Training Seminar, Pat Wertheim, Thornton, Colorado (24 hours)
09/01/2001: 2001 Rocky Mountain Division-IAI Educational Conference, various, Estes Park, Colorado (24 hours)
05/07/2002: Daubert Symposium, FBI/CBI, Jefferson County, Colorado, (8 hours)
08/2002: 2002 International Association for Identification Educational Conference, various, Las Vegas, Nevada (40 hours)
09/2002: 2002 Rocky Mountain Division-IAI Educational Conference, various, Breckenridge, Colorado (24 hours)
06/23-27/03: Advanced Problem Comparisons, Forensic Identification Training Seminar, Kasey E. Wertheim, Anchorage, Alaska (40 hours)
07/13-16/04: Print Quest AFIS-APIS and Live Scan Training, by SPEX Forensics, Anchorage, Alaska (28 hours)
08/18-19/04: Remote Fingerprint Editing Software (RFES'), by FBI, Anchorage, Alaska (15 hours)
03/01/06: WIN/AFIS Global Latent Workstation Train the Trainer, WIN, Sacramento, CA. (14 hours)
06/02/08: WIN/AFIS Global Latent Workstation, WIN, Anchorage, AK. (8 hours)

Crime Scene Response Team Training: 545 hours

03/18/1983: Advanced Traffic Accident Investigation, NWTI, (80 hours)
04/24/1985: Arson Investigation Symposium, University of Wyoming (24 hours)
05/17/1985: Homicide Investigation, Cheyenne, Wyoming (40 hours)
05/25/1990: Major Crime Scene Investigation, Fort Collins, Colorado (18 hours)
05/01/1992: Serial Rapist/Sex Motivated Serial Killers, F.B.I., Laramie Wyoming Police Department (12 hours)
07/23/1992: Blood Bourn Pathogens, Laramie Wyoming Police Department (8 hours)
09/26/1992: Bloodstain Pattern Analysis, Colorado Springs, Colorado (20 hours)
11/11/1992: Law Enforcement Photography, Wyoming Law Enforcement Academy (19 hours)
03/26/1993: Death Investigation/Coroner Basic, Wyoming Law Enforcement Academy, (40 hours)
09/24/1993: Crime Scene Reconstruction, Wyoming Crime Laboratory (14 hours)
09/24/1994: Forensic Photography, Denver Colorado (24 hours)
01/16/1995: New Analysis Techniques, Wyoming State Crime Laboratory (12 hours)
09/19/1995: Blood Evidence Recovery Techniques, Silver Creek, Colorado (16 hours)
10/14/1997: Evidence Detection/Forensic Light Source, Melles-Griott, Carlsbad, California (16 hours)
01/12/2006: Documenting and Collecting Snow Impression Evidence, Anchorage, AK (8 hours)
04/11/2006: Digital Photography, George Reis, Anchorage, AK (16 hours)
04/12/2006: Laboratory Digital Photography, George Reis, Anchorage, AK (8 hours)
04/21/2006: Advanced Crime Scene Reconstruction, Iowa State University (40 hours)
08/01/2006: Light Theory and Alternate Light Source, Hammer, AK Crime Laboratory (3 hours)
08/02/2006: Chemical Processing, Hammer, AK Crime Laboratory (4 hours)
03/27/2007: Chemiluminescence, WVU, Orlando, FLA (3.5 hours)
03/28/2007: Ethics in Forensic Science: WVU, Orlando, FLA (3.5 hours)
03/31/2007: Shooting Reconstruction: Richard Ernest, Orlando, FLA (24 hours)
04/19/2007: Death Investigation Seminar: Cyril Wecht, etal., Anchorage, AK (8 hours)
07/30/2007: Basic Blood Stain Pattern Analysis: Tom Bevel, AK Crime Laboratory (40 hours)
01/18/2008: Advanced Blood Stain Pattern Analysis: Tom Bevel, AK Crime Laboratory (40 hours)
06/20/2008: Canon Camera Training Seminar: Canon, Anchorage, AK (4 hours)

Instruction/ Other: 1297 hours

01/23/1981: Police Recruit Training, Laramie Wyoming Police Department (50 Hours)
02/27/1981: Law Enforcement Basic Training Class #36, Wyoming Law Enforcement Academy (200 hours)
03/04/1981: Defensive Tactics, Laramie Wyoming Police Department (8 hours)
04/13/1981: Alco Analyzer, Laramie Wyoming Police Department (4 hours)
06/08/1981: First Responder, Laramie Wyoming Police Department (4 hours)
06/23/1981: Civil Liability, Laramie Wyoming Police Department (4 hours)
03/24/1982: Radar Operator's School, Wyoming Highway Patrol (24 hours)
06/25/1982: Police Motorcycle Training, American Motorcycle Association (40 hours)
08/09/1982: CPR, Laramie Wyoming Fire Department (4 hours)
08/19/1982: Field Officer Training and Evaluation Seminar, Kominsky and Associates (32 hours)
09/02/1982: SWAT Training, Laramie Wyoming Police Department (40 hours)
11/15/1982: Standard Operator Course IR3000, Laramie Wyoming Police Department (4 hours)
03/05/1983: Semi Automatic Handgun Training, Laramie Wyoming Police Department (6 hours)
04/29/1983: SWAT Training, Green River Wyoming Police Department (40 hours)
06/19/1983: Street Survival Training, Calibre Press (16 hours)
08/01/1983: Basic Darkroom Application, Laramie Wyoming Police Department (11 hours)
09/30/1983: Emergency Vehicle Operation, Laramie Wyoming Police Department (6 hours)
03/01/1984: Tactical Response to Hostage Situations, Wyoming Law Enforcement Academy (20 hours)

03/23/1984: Wyoming Criminal Law and Procedures, Wyoming Law Enforcement Academy (40 hours)
06/25/1984: Criminal Interrogation, Reid and Associates (32 hours)
03/28/1985: Advanced DUI Enforcement, Wyoming Law Enforcement Academy (24 hours)
08/30/1985: Law Enforcement Executive Survival School, Jackson Wyoming (26 hours)
09/10/1985: CPR Recertification, Laramie Wyoming Fire Department (4 hours)
01/22/1986: Managing the Unsatisfactory/Marginal Employee, Wyoming Law Enforcement Academy (20 hours)
03/13/1986: DUI Nystagmus Instructors Course, UNC Greeley Colorado (20 hours)
10/01/1986: Title 25 Hospital/Mental Person, Laramie Wyoming Police Department (4 hours)
02/25/1987: Nova Stun Gun XR-5000 Training, Laramie Wyoming Police Department (8 hours)
08/12/1987: Family Violence Training, Laramie Wyoming Police Department (24 hours)
02/17/1988: Criminal Intelligence Task Force, Laramie Wyoming Police Department (4 hours)
02/21/1989: Alcohol/Drug Issues in the Workplace, Laramie Wyoming Police Department (4 hours)
04/07/1989: PR-24 Recertification, Laramie Wyoming Police Department (4 hours)
02/14/1990: Radar Operator Recertification, Laramie Wyoming Police Department (4 hours)
03/20/1990: Weapon Retention Training, Laramie Wyoming Police Department (8 hours)
06/22/1990: NRA Firearms Instructor Development, USAF/Rapid City South Dakota (44 hours)
04/19/1991: First Line Supervision, Wyoming Law Enforcement Academy (40 hours)
05/09/1991: Tactical Communications, Wyoming Law Enforcement Academy (4 hours)
08/20/1991: Police Investigation of Rape, Laramie Wyoming Police Department (4 hours)
08/22/1991: ASP Expandable Baton, Laramie Wyoming Police Department (8 hours)
01/14/1992: Advanced Child Sexual Abuse Investigations, Wyoming Law Enforcement Academy (16 hours)
03/25/1992: Glock Semi Automatic Pistol, Laramie Wyoming Police Department (24 hours)
04/22/1992: Crime Victim Awareness Training, Laramie Wyoming Police Department (8 hours)
06/10/1992: Kinesic Interview Techniques, Reid and Associates (24 hours)
10/22/1992: Street Drug Interdiction, Wyoming Division of Criminal Investigation (4 hours)
11/18/1992: Stalking Seminar, Los Angeles Police Department (4 hours)
01/20/1993: Effective Time Management, Laramie Wyoming Police Department (8 hours)
03/06/1993: WIPP First Responder, NHTSA/AEC (8 hours)
08/26/1993: Police Stress Management, Laramie Wyoming Police Department (8 hours)
09/10/1993: Colorado Association of Sex Crimes Investigators Education Conference, Glennwood Springs Colorado (20 hours)
11/17/1993: Total Quality Management, STEPP and Associates (40 hours)
01/11/1994: Street Gang Seminar, Laramie Wyoming Police Department (4 hours)
05/02/1994: Intoximeter 3000 Recertification, Laramie Wyoming Police Department (4 hours)
03/01/1995: Custody and Control, Laramie Wyoming Police Department (4 hours)
04/07/1995: Undercover Investigative Techniques, Riverton Wyoming (14 hours)
04/17/1995: Police Rifle Training, Laramie Wyoming Police Department (24 hours)
01/11/1996: Financial Investigation Training, Internal Revenue Service (16 hours)
05/31/1996: TASER Electronic Restraint, Laramie Wyoming Police Department (4 hours)
08/13/1996: The Internet Seminar, Fort Collins Colorado Police Department (8 hours)
09/23/1996: Use of Force Update, Wyoming Law Enforcement Academy, (4 hours)
11/06/1996: Use of Force Practicum, Laramie Wyoming Police Department (4 hours)
02/14/1997: Incident Command System for Law Enforcement, G190 FEMA (12 hours)
03/06/1997: RIPP Restraint, Laramie Wyoming Police Department (4 hours)
08/07/1997: Emergency Vehicle Operations, Laramie Wyoming Police Department (8 hours)
05/27/1998: Custody and Control, Laramie Wyoming Police Department (4 hours)
10/15/1998: Strategic Management, University of Wyoming (8 hours)
11/20/1998: Principles of Supervision and Leadership, Laramie Wyoming Police Department (24 hours)
10/28/1999: Community Policing Overview, Laramie Wyoming Police Department (4 hours)
11/09/1999: Intoximeter EC/IR Update, Laramie Wyoming Police Department (4 hours)
02/14/2000: Laws of Search and Seizure, Laramie Wyoming Police Department (8 hours)

03/31/2000: Laws of Arrest, Laramie Wyoming Police Department (8 hours)
09/28/2000: Custody and Control Class Part One, Laramie Wyoming Police Department (4 hours)
11/16/2000: Search and Seizure Update, Laramie Wyoming Police Department (4 hours)
12/06/2000: Custody and Control Class Part Two, Laramie Wyoming Police Department (4 hours)
09/01/2001: Custody and Control Techniques, Laramie Wyoming Police Department (4 hours)
01/16/2002: Background Investigations for Public Safety Employees, Jackson Wyoming (16 hours)
03/01/2002: Custody and Control Techniques, Laramie Wyoming Police Department (4 hours)
03/01/2002: Customer Service Training, City of Laramie Wyoming (8 hours)
10/2002: Red Cross First Aid/Adult CPR/AED, University of Wyoming (8 hours)
11/2003: American Heart Association Adult CPR/AED, Department of Public Safety, Anchorage, Alaska (8 hours)
09/13/2007: Performance Coaching, Division of Personnel, Anchorage, Alaska (8 hours)
07/29/2008: Courtroom Testimony Techniques, Ron Smith & Assoc., Anchorage, Alaska (16 hours)
05/21/2009: Western Identification Network Board Meeting, various, Anchorage, Alaska (8 hours)

CASEWORK EXPERIENCE: Latent Fingerprints and Crime Scenes.

Greater than 1000 Latent Fingerprint cases worked. Casework included homicides, kidnapping, sexual assaults, burglaries, robberies, drugs, assaults, arsons, weapons violations, etc.

More than 1000 crime scenes worked as a primary analyst.

COURTROOM EXPERIENCE: List the discipline(s) in which you have qualified to testify as an expert witness and indicate over what period of time and approximately how many times you have testified in each.

Alaska:

Grand Jury:

Fingerprint Identification: 5

Superior Court:

Fingerprint Identification: 20

Federal District Court:

Fingerprint Identification: 2

Municipal Court:

Latent Fingerprints/Fingerprint
Identification: 10

Wyoming:

Municipal Court:

Latent Fingerprints/Fingerprint
Identification: 5

Municipal Court:

Latent Fingerprints/Fingerprint
Identification: 3
Traffic Accident Investigation: 10

County Court:

Crime Scene Investigation: 25
Latent Fingerprints/Fingerprint
Identification: 10
Traffic Accident Investigation: 10

State District Court:	
Crime Scene Investigation:	10
Latent Fingerprints/Fingerprint Identification:	5
Foot Wear/Tire Track	2
Federal District Court:	
Latent Fingerprints/Fingerprint Identification:	1
Colorado:	
State District Court:	
Crime Scene Investigation:	1

PROFESSIONAL AFFILIATIONS: List any professional organizations of which you are or have been a member. Indicate any offices or other positions held and the date(s) of these activities.

International Association for Identification 1993 – present, past regional representative to the Rocky Mountain Division
Pacific Northwest Division-IAI 2003 – present, Latent Print Committee and regional vice president
Canadian Identification Society 2006 - present
Wyoming Investigator's Association 1990 – 2002, regional vice president
Tri-State Investigator's Association 1990 – 2002
Wyoming Peace Officer's Association, life member
Colorado Body ID Team 2002-2003
Rocky Mountain Division-IAI 1992 – 2009, past board of directors

PROFESSIONAL CERTIFICATIONS:

09/1998 – 09/2011	Certified Latent Print Examiner through the International Association for Identification
06/2002 – 05/2012	Crime Scene Analyst through the International Association for Identification
11/1987 - 08/2005	Certified Instructor Wyoming Peace Officer's Standards and Training
09/1981 - Inactive	Certified Professional Peace Officer Wyoming P.O.S.T.
11/2002 - Expired	Certified Professional Peace Officer Colorado P.O.S.T.

EMPLOYMENT HISTORY: List all scientific or technical positions held, particularly those related to forensic sciences. List current position first. Give a brief summary of principal duties and tenure in each position.

- (1) Job Title: Forensic Scientist III
Employer: Alaska Department of Public Safety Scientific Crime Detection Laboratory, Anchorage, Alaska
Duties: Develop and compare latent fingerprints
Tenure: October 2005 - present
- (2) Job Title: AFIS Operator I
Employer: Alaska Department of Public Safety Records and Identification Unit, Anchorage, Alaska
Duties: Enter, search and compare fingerprints in WIN/AFIS and IDIS. Identification of persons living and deceased through fingerprints.
Tenure: January 2003 - October 2005

- (3) Job Title: Detective Sergeant
Employer: City of Laramie Wyoming Police Department
Duties: Supervision of 9 employees, conduct criminal investigations and crime scene investigations, develop and compare latent fingerprints. Supervision of lab and evidence. Policy and procedure for Investigations Division and School Resource Officers
Tenure: October 1980 - July 2002
- (4) Job Title: Teaching Assistant
Employer: Albion College, Albion, Michigan
Duties: Taught freshman geology and biology lab courses, lab management, conducted and organized field trips, tutoring.
Tenure: September 1972 - May 1976

OTHER QUALIFICATIONS: List below any scientific publication and/or presentation you have authored or co-authored, research in which you are or have been involved, academic or other teaching positions you have held, and any other information which you consider relevant to your qualification as a forensic scientist.

1999: "Cold Searching Fingerprints by Pattern Recognition" *Silent Witness*, 1999 vol.4

10/18/2004: "A Cautionary Tale: AFIS/Livescan" *Weekly Detail*

03/28/1997: "Fluorescent Fingerprint Powders! Latent Development Techniques" presented at *F.B.I. Academy*, March 1997

10/1973-05/1976: Teaching Assistant and Freshman Lab instructor, Geology/Biology, Albion College, Albion, Michigan

MEETINGS ATTENDED:

9/1992: Rocky Mountain Division -IAI, Annual Educational Conference
9/1993: Colorado Association of Sex Crimes Investigators Annual Educational Conference
9/1995: Rocky Mountain Division -IAI, Annual Educational Conference
9/1996: Rocky Mountain Division -IAI, Annual Educational Conference
9/1998: Rocky Mountain Division -IAI, Annual Educational Conference
9/1999: Rocky Mountain Division -IAI, Annual Educational Conference
7/2000: International Association for Identification, 85th International Educational Conference
9/2000: Rocky Mountain Division -IAI, Annual Educational Conference
3/2001: AFTX Tracker User Group Palm Print Symposium
7/2001: International Association for Identification, 86th International Educational Conference
9/2001: Rocky Mountain Division -IAI, Annual Educational Conference
8/2002: International Association for Identification, 87th International Educational Conference
9/2002: Rocky Mountain Division -IAI, Annual Educational Conference
3/2007: WVU/NIJ – Continuing Education for Forensic Professionals Educational Conference

RESEARCH:

Fluorescent Fingerprint powders, applications and techniques.

Standardized Field Sobriety Testing, Horizontal Gaze Nystagmus, and Blood Alcohol Level validation study.

CLASSES TAUGHT TO LAW ENFORCEMENT PERSONNEL:

1995-2002 Fingerprints, Evidence Collection and Submittal, Courtroom Testimony, Laramie Police Department, Laramie, Wyoming
1990-2002 Police Firearms, Laramie Police Department, Laramie, Wyoming
1988-2000 Standardized Field Sobriety Testing and HGN, Laramie Police Department, Laramie, Wyoming

2001-2002 Latent Fingerprint Development Techniques, Latent Fingerprint Comparison, Laramie Police Department, Laramie, Wyoming

05/2005 Fingerprints, ALET #32, DPS Training Academy, Sitka, Alaska

Spring/ Latent Fingerprint Detection and Development/Fingerprinting and Foot Wear and Tire Track Impression

Summer / Detection and Development, Alaska State Troopers "C" Detachment, Dillingham, Bethel, Bethel, Kodiak, 2008 and Anchorage, AK

06/12/08 Latent Fingerprint Detection and Comparison, CSI Camp, Anchorage, AK

10/06/08 Advanced VPO Academy, King Salmon, AK

11/04/08 VPSO Advanced Crime Scene Investigation, Ft. Richardson, AK

02/02/09 VPSO Academy-Crime Scene Investigation/Fingerprints, ALET, Sitka, AK